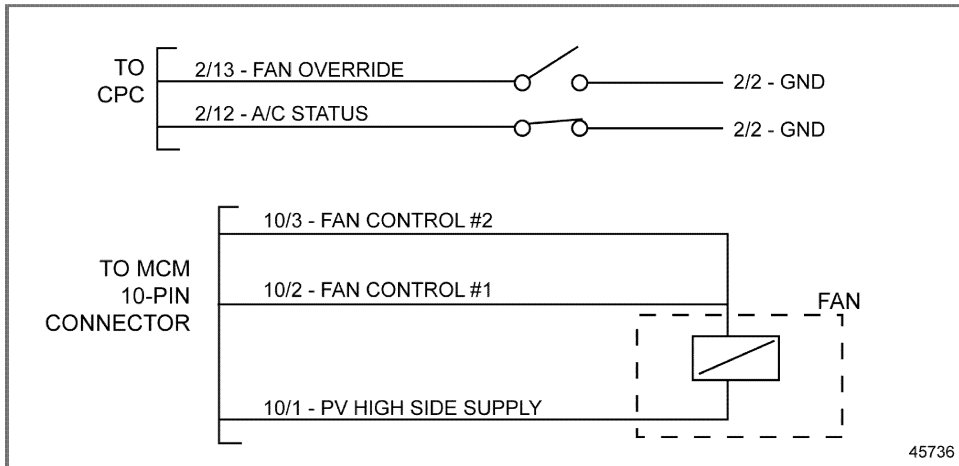


141.2 Fan Control

DDEC VI provides fan control for four different fan configurations.

141.2.1 Single-speed Fan – Fan Type 4

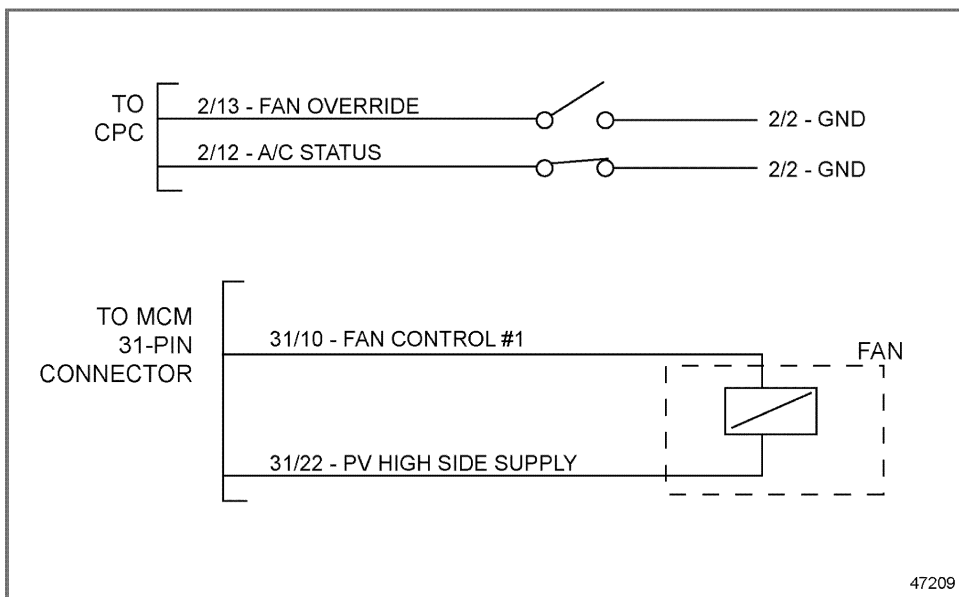
This fan type must be used if the current exceeds 2A. See Figure "Single-speed Fan – Fan Type 4" .



Single-speed Fan – Fan Type 4

141.2.2 Single-speed Fan – Fan Type 7

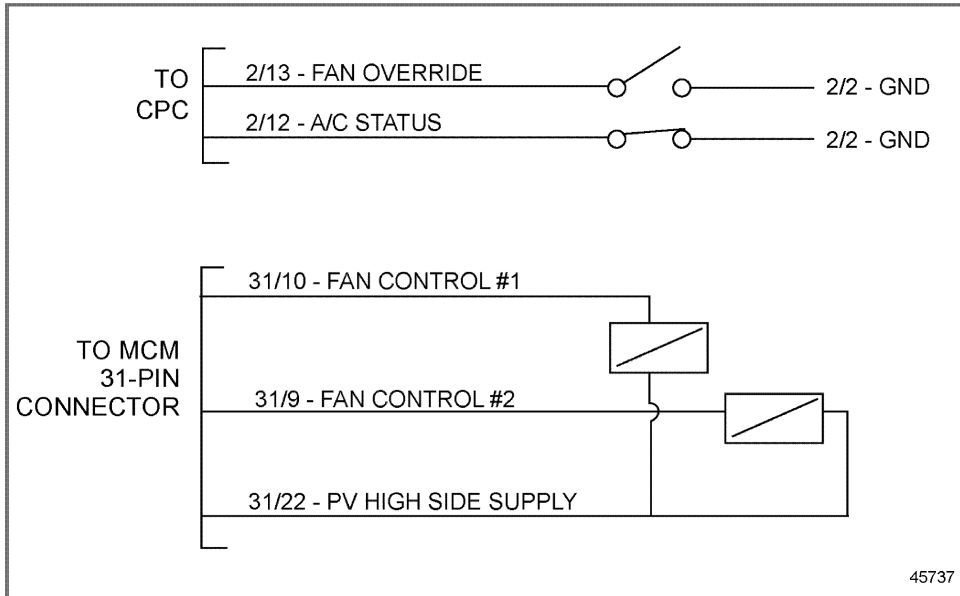
This fan type can be used if the current is less than 2.0 A. See Figure "Single-speed Fan – Fan Type 7" .



Single-speed Fan – Fan Type 7

141.2.3 Dual Fan – Fan Type 6

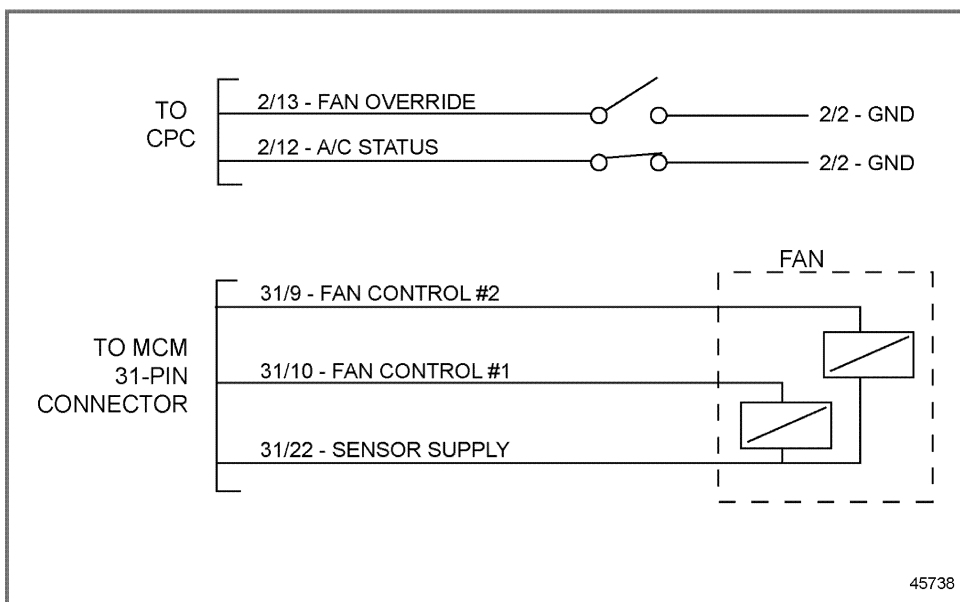
The two fans are independent of one another and are controlled by different conditions. Both fans will be activated when either the Fan Control Override is enabled or when the conditions are met for Fan Engine Brake. See Figure "Dual Fan – Fan Type 6" .



Dual Fan – Fan Type 6

141.2.4 Two-speed Fan – Fan Type 0 or 1

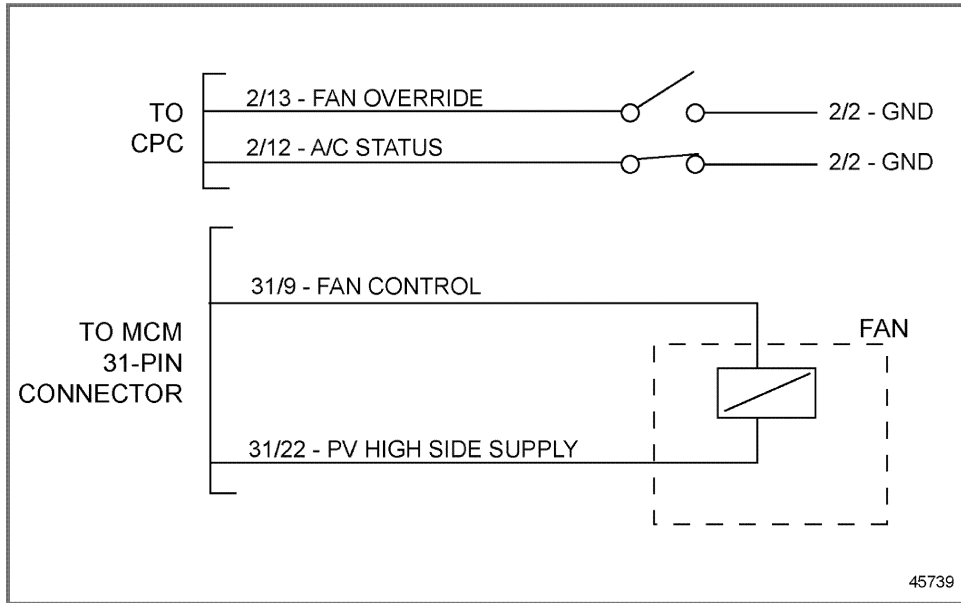
This configuration uses two digital outputs, Fan Control #1 and Fan Control #2, to drive a two-speed fan. See Figure "Two-speed Fan (Fan type 0 or 1)" .



Two-speed Fan (Fan type 0 or 1)

141.2.5 Variable Speed Fan without Fan Speed Feedback – Fan Type 3

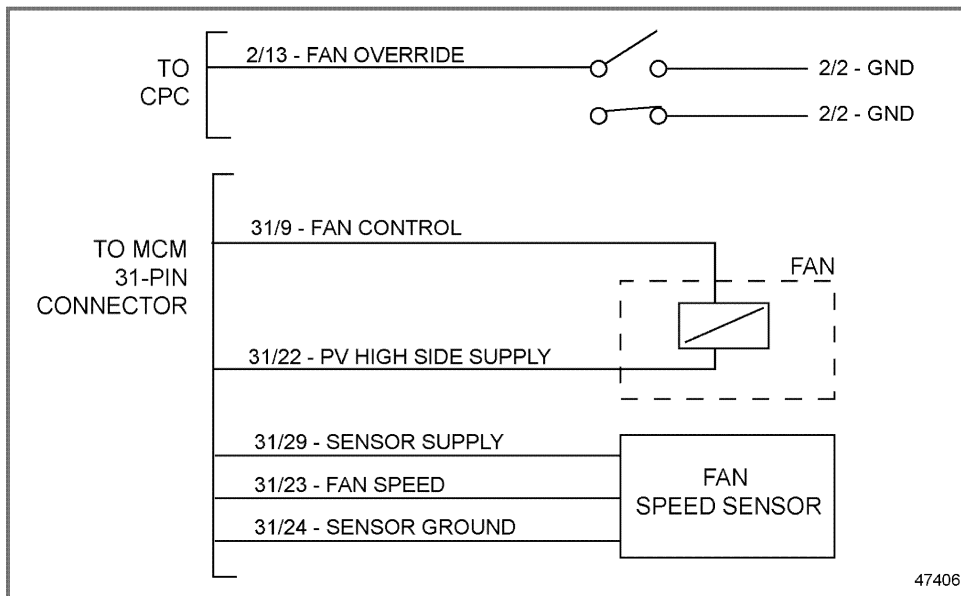
DDEC VI uses a pulse width modulated (PWM) output to drive a variable speed fan. See Figure "Variable Speed Fan without Fan Speed Feedback (Fan Type 3)"



Variable Speed Fan without Fan Speed Feedback (Fan Type 3)

141.2.6 Variable Speed Fan with Fan Speed Feedback - Fan Type 2

DDEC VI uses a pulse width modulated (PWM) output to drive a variable speed fan. See Figure "Variable Speed Fan with Fan Speed Feedback (Fan Type 2)" .



Variable Speed Fan with Fan Speed Feedback (Fan Type 2)

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